

**DECLARATION UNDER 37 C.F.R. 1.47 (a) AND 1.63  
AND POWER OF ATTORNEY  
Original Application**

As below named inventor ("Available Inventor"), I declare that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in this Declaration, that the information given herein is true, that I believe that I am the original, first and joint inventor of the invention entitled:

**Continuous Processing System  
for Chemical Mechanical Polishing**

I further declare all of the following on information and belief on my behalf and on behalf of the following non-signing inventors ("Inventor Designees"):

- (1) Ilya Perlov  
183 Blake Avenue  
Santa Clara, California 95051
- (2) Eugene Gantvarg  
2679 Forbes Avenue  
Santa Clara, California 95051
- (3) Harry Q. Lee  
2261 Middlefield Road  
Mountain View, California 94043

that each of these Inventor Designees and the below listed Available Inventors is an original, first and true inventor of the subject invention which is described and claimed in:

— the attached specification or

X the specification in application Serial No.08/549,336 filed 10/27/95 amended \_\_\_\_\_

that I acknowledge as an Available Inventor a duty to disclose information I am aware of which is material to the examination of this application, that I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been

patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application and that as to applications for patent or inventor's certificate filed by me or my legal representatives or assigns in any country foreign to the United States of America, the earliest filed foreign applications(s) filed within twelve months prior to the filing date of this application and all foreign applications filed more than twelve months prior to the filing date of this application, if any, are identified below.

**CHECK APPROPRIATE BOX:**

- ☒ No earlier-filed foreign applications.  
☐ Required information as to foreign applications filed prior to filing date of this application is on page 3 attached hereto and made a part hereof.

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

NAME	REGISTRATION NO.	NAME	REGISTRATION NO.
Michael L. Sherrard	28,041	Peter Sgarbossa	25,610
Donald Verplancken	33,217	Lawrence Edelman	25,226
Michael B. Einslag	29,301	Leslie A. Weise	36,305
Raymond Kam-On Kwong	37,165	James C. Wilson	35,412
Charles S. Guenzer	30,640	Robert W. Mulcahy	25,436

**SEND CORRESPONDENCE TO:**  
Patent Counsel  
Applied Materials, Inc.  
P. O. Box 450A  
Santa Clara, CA 95052

**DIRECT TELEPHONE CALLS TO:**  
Charles Guenzer  
(415) 843-3777

**AVAILABLE INVENTORS**

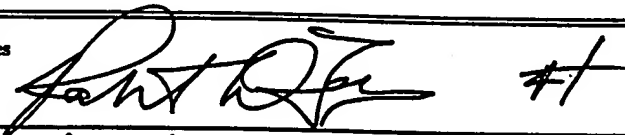
(201) FULL NAME OF INVENTOR	LAST NAME <b>Tolles</b>	FIRST NAME <b>Robert</b>	MIDDLE NAME <b>D.</b>	
RESIDENCE & CITIZENSHIP	CITY <b>Santa Clara</b>	STATE OR FOREIGN COUNTRY <b>California</b>	COUNTRY OF CITIZENSHIP <b>U.S.A.</b>	
POST OFFICE ADDRESS	POST OFFICE ADDRESS <b>2167 San Antonio Place</b>	CITY <b>Santa Clara</b>	STATE OR COUNTRY <b>California</b>	ZIP CODE <b>95051</b>

(202) FULL NAME OF INVENTOR	LAST NAME <b>Shendon</b>	FIRST NAME <b>Norm</b>	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY <b>San Carlos</b>	STATE OR FOREIGN COUNTRY <b>California</b>	COUNTRY OF CITIZENSHIP <b>U.S.A.</b>	
POST OFFICE ADDRESS	POST OFFICE ADDRESS <b>34 Northam Ave.</b>	CITY <b>San Carlos</b>	STATE OR COUNTRY <b>California</b>	ZIP CODE <b>94070</b>

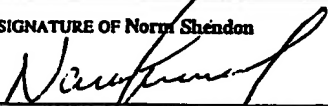
  

(203) FULL NAME OF INVENTOR	LAST NAME <b>Somekh</b>	FIRST NAME <b>Sasson</b>	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY <b>Los Altos Hills</b>	STATE OR FOREIGN COUNTRY <b>California</b>	COUNTRY OF CITIZENSHIP <b>U.S.A.</b>	
POST OFFICE ADDRESS	POST OFFICE ADDRESS <b>25625 Moody Road</b>	CITY <b>Los Altos Hills</b>	STATE OR COUNTRY <b>California</b>	ZIP CODE <b>94022</b>


I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF Robert Tolles	
DATE	4/23/96

SIGNATURE OF Norm Shendon	
DATE	4/23/96

SIGNATURE OF Sasson Somekh	
DATE	4/23/96

COPY

**SUPPLEMENTAL DECLARATION UNDER 37 C.F.R. 1.47 (a) and 1.63  
AND POWER OF ATTORNEY  
Original Application**

As a below named inventor ("Available Inventor"), I declare that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in this Declaration, that the information given herein is true, that I believe that I am the original, first and joint inventor of the invention entitled:

**Continuous Processing System  
for Chemical Mechanical Polishing**

I further declare all of the following on information and belief on my behalf and on behalf of the following non-signing inventors ("Inventor Designees"):

<b>FULL NAME OF INVENTOR</b>	<b>LAST NAME</b> <b>Perlov</b>	<b>FIRST NAME</b> <b>Ilya</b>	<b>MIDDLE NAME</b>	
<b>RESIDENCE &amp; CITIZENSHIP</b>	<b>CITY</b> <b>Santa Clara</b>	<b>STATE OR FOREIGN COUNTRY</b> <b>California</b>	<b>COUNTRY OF CITIZENSHIP</b> <b>U.S.A.</b>	
<b>RESIDENCE ADDRESS</b>	<b>RESIDENCE ADDRESS</b> <b>183 Blake Avenue</b>	<b>CITY</b> <b>Santa Clara</b>	<b>STATE OR COUNTRY</b> <b>California</b>	<b>ZIP CODE</b> <b>95051</b>

<b>FULL NAME OF INVENTOR</b>	<b>LAST NAME</b> <b>Gantvarg</b>	<b>FIRST NAME</b> <b>Eugene</b>	<b>MIDDLE NAME</b>	
<b>RESIDENCE &amp; CITIZENSHIP</b>	<b>CITY</b> <b>Santa Clara</b>	<b>STATE OR FOREIGN COUNTRY</b> <b>California</b>	<b>COUNTRY OF CITIZENSHIP</b> <b>U.S.A.</b>	
<b>RESIDENCE ADDRESS</b>	<b>RESIDENCE ADDRESS</b> <b>2679 Forbes Avenue</b>	<b>CITY</b> <b>Santa Clara</b>	<b>STATE OR COUNTRY</b> <b>California</b>	<b>ZIP CODE</b> <b>95051</b>

<b>FULL NAME OF INVENTOR</b>	<b>LAST NAME</b> <b>Lee</b>	<b>FIRST NAME</b> <b>Harry</b>	<b>MIDDLE NAME</b> <b>Q.</b>	
<b>RESIDENCE &amp; CITIZENSHIP</b>	<b>CITY</b> <b>Mountain View</b>	<b>STATE OR FOREIGN COUNTRY</b> <b>California</b>	<b>COUNTRY OF CITIZENSHIP</b> <b>U.S.A.</b>	
<b>RESIDENCE ADDRESS</b>	<b>RESIDENCE ADDRESS</b> <b>2261 Middlefield Road</b>	<b>CITY</b> <b>Mountain View</b>	<b>STATE OR COUNTRY</b> <b>California</b>	<b>ZIP CODE</b> <b>94043</b>

that each of these Inventor Designees and the below listed Available Inventors is an original, first and true joint inventor of the subject invention which is described and claimed in:

☐ the attached specification or

☒ the specification in application Serial No. 08/549,336 filed 10/27/95 amended \_\_\_\_\_

that I acknowledge as an Available Inventor a duty to disclose information I am aware of which is material to the examination of this application, that I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assign more than twelve months prior to this application and that as to applications for patent or inventor's certificate filed by me or my legal representative s or assigns in any country foreign to the United States of America, the earliest filed foreign application(s) filed within twelve months prior to the filing date of this application and all foreign applications filed more than twelve months prior to the filing date of this application, if any, identified below.

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 P.O. Box 450A  
 Santa Clara, CA 95052

DIRECT TELEPHONE CALLS TO:  
 Charles Guenzer  
 (650) 324-1677, ext. 19

### AVAILABLE INVENTORS

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	<b>Tolles</b>	<b>Robert</b>	<b>D.</b>	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	<b>Santa Clara</b>	<b>California</b>	<b>U.S.A.</b>	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
	<b>2167 San Antonio Place</b>	<b>Santa Clara</b>	<b>California</b>	<b>95051</b>

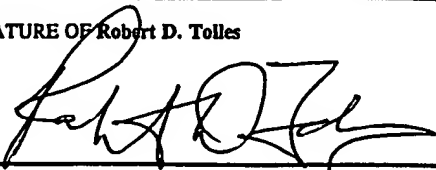
FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	<b>Shendon</b>	<b>Norm</b>		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	<b>San Carlos</b>	<b>California</b>	<b>U.S.A.</b>	
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	<b>34 Northam Ave.</b>	<b>San Carlos</b>	<b>California</b>	<b>94070</b>

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	<b>Somekh</b>	<b>Sasson</b>		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	<b>Los Altos Hills</b>	<b>California</b>	<b>U.S.A.</b>	
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	<b>25625 Moody Road</b>	<b>Los Altos Hills</b>	<b>California</b>	<b>94022</b>

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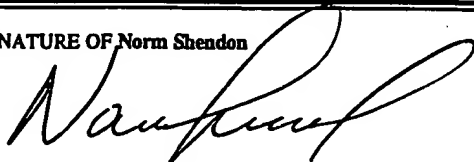
SIGNATURE OF Robert D. Tolles



3/12/98

DATE

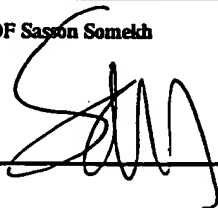
SIGNATURE OF Norm Shendon



3/13/98

DATE

SIGNATURE OF Sasson Somekh



3/12/98

DATE

54092.P11



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUG 22 1996

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**AUG 21 1996**

**OFFICE OF PETITIONS  
A/C PATENTS**

JCS84 U.S. PTO  
09/507172  
02/18/00

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450A  
Santa Clara, CA 95052

In re Application of  
Perlov, Gantvarg, Lee, Tolles,  
Shendon, and Somekh  
Application No. 08/549,336  
Filed: October 27, 1995  
For: Continuous Processing  
System for Chemical Mechanical  
Polishing

:  
:  
: DECISION ACCORDING STATUS  
: UNDER 37 CFR 1.47(a)  
:  
:

Papers filed April 25, 1996 in response to a "Notice to File  
Missing Parts of Application Filing Date Granted," mailed  
December 21, 1995, included:

- (1) a "Declaration Under 37 CFR 1.47(a) and 1.63 and  
Power of Attorney" signed by inventors Tolles, Shendon  
and Somekh;
- (2) a petition for a four month extension of time and  
the extension of time fee (the petition for an extension  
of time was included as part of the "Response to Notice  
to File Missing Parts");
- (3) a "Petition Under 37 CFR 1.47(a)" setting forth the  
last known address of the non-signing inventors and the  
petition fee; and
- (4) a copy of the Notice to File Missing Parts, the  
filing fee, the additional claims fees, and the  
surcharge.

The above-identified application and papers have been  
reviewed and found in compliance with 37 CFR 1.47(a). This  
application is hereby accorded Rule 1.47(a) status and  
Application Branch is authorized to:

- (1) accept this application under Rule 1.47(a);
- (2) process the application with the inventors being  
Perlov, Gantvarg, Lee, Tolles, Shendon, and Somekh,  
using the Declaration filed on April 25, 1996; and
- (3) mail a filing receipt with a filing date of  
October 27, 1995.



As provided in Rule 1.47(a), this Office will forward notice of this application's filing to non-signing inventors Perlov, Gantvarg, and Lee at the addresses given in the Declaration. Notice of the filing of this application will also be published in the Official Gazette.

However, the declaration filed April 25, 1996 does not comply with 37 CFR 1.63 since the inventors do not acknowledge that they are "joint" inventors, since the address for the non-signing inventors is not labeled as the residence address, and since the citizenship of the non-signing inventors has been omitted. It is noted that citizenship is a requirement of statute that cannot be waived. Accordingly, a new declaration in compliance with 37 CFR 1.63 that is signed by the inventors Tolles, Shendon, and Somekh on behalf of themselves and on behalf of the non-signing inventors is required before issuance of the application.

Inquiries regarding this decision should be directed to the undersigned at (703) 306-3159.



Karin Tyson  
Legal Advisor  
Special Program Law Office  
Office of the Deputy Assistant Commissioner  
for Patent Policy and Projects



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

Harry Q. Lee  
2261 Middlefield Road  
Mountain View, CA 94043

In re Application of  
Perlov, Gantvarg, Lee, Tolles,  
Shendon, and Somekh  
Application No. 08/549,336  
Filed: October 27, 1995  
For: Continuous Processing  
System for Chemical Mechanical  
Polishing

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**AUG 21 1996**

**OFFICE OF PATENTS  
AND TRADEMARKS**

JC584 U.S. PTO  
09/507172  
02/18/00

Dear Mr. Lee:

You are named as a joint inventor in the above identified United States patent application, filed under the provisions of 35 U.S.C. 116 (United States Code), and 37 CFR 1.47(a), Rules of Practice in Patent Cases. Should a patent be granted on the application you will be designated therein as a joint inventor.

As a named inventor you are entitled to inspect any paper in the file wrapper of the application, order copies of all or any part thereof (at a prepaid cost per 37 CFR 1.19) or make your position of record in the application. Alternatively, you may arrange to do any of the preceding through a registered patent attorney or agent presenting written authorization from you. If you care to join the application, counsel of record (see below) would presumably assist you. Joining in the application would entail the filing of an appropriate oath or declaration by you pursuant to 37 CFR 1.63.

Inquiries regarding this communication should be directed to the undersigned at (703) 306-3159.

*Karin Tyson*

Karin Tyson  
Legal Advisor  
Special Program Law Office  
Office of the Deputy Assistant Commissioner  
for Patent Policy and Projects

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450A  
Santa Clara, CA 95052



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

Eugene Gantvarg  
2679 Forbes Ave.  
Santa Clara, CA 95051

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**AUG 21 1996**

**OFFICE OF PATENTS  
A/C PATENTS**

In re Application of  
Perlov, Gantvarg, Lee, Tolles,  
Shendon, and Somekh  
Application No. 08/549,336  
Filed: October 27, 1995  
For: Continuous Processing  
System for Chemical Mechanical  
Polishing

Dear Mr. Gantvarg:

You are named as a joint inventor in the above identified United States patent application, filed under the provisions of 35 U.S.C. 116 (United States Code), and 37 CFR 1.47(a), Rules of Practice in Patent Cases. Should a patent be granted on the application you will be designated therein as a joint inventor.

As a named inventor you are entitled to inspect any paper in the file wrapper of the application, order copies of all or any part thereof (at a prepaid cost per 37 CFR 1.19) or make your position of record in the application. Alternatively, you may arrange to do any of the preceding through a registered patent attorney or agent presenting written authorization from you. If you care to join the application, counsel of record (see below) would presumably assist you. Joining in the application would entail the filing of an appropriate oath or declaration by you pursuant to 37 CFR 1.63.

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*Karin Tyson*

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Legal Advisor  
Special Program Law Office  
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Patent Counsel  
Applied Materials, Inc.  
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Santa Clara, CA 95052



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Ilya Perlov  
183 Blake Ave.  
Santa Clara, CA 95051

In re Application of  
Perlov, Gantvarg, Lee, Tolles,  
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Application No. 08/549,336  
Filed: October 27, 1995  
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Polishing

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**AUG 21 1996**

**OFFICE OF PATENTS  
A/C PATENTS**

Dear Mr. Perlov:

You are named as a joint inventor in the above identified United States patent application, filed under the provisions of 35 U.S.C. 116 (United States Code), and 37 CFR 1.47(a), Rules of Practice in Patent Cases. Should a patent be granted on the application you will be designated therein as a joint inventor.

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Special Program Law Office  
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